

JOB SHEET 2-4-36
RUNNING TWO USER FUNCTIONS (at the same time)

INTRODUCTION

Two User Functions may run at the same time. This is convenient when you need to dial out to another WSR-88D site but still need to display a four panel set of products via another User Function. This Job Sheet chains a dial out User Function to itself and executes another User Function to display four different elevation slices of the Base Reflectivity product.

Note the active User Functions display in the upper left corner the Alphanumeric Terminal. The display is “ **UF##**” where ## is the User Function number.

One final point to remember, anytime you cancel a User Function, either at the Graphic Tablet or at the Applications Terminal, all User Functions currently running are canceled.

OBJECTIVE

Edit, invoke, and cancel two User Functions at the same time.

REFERENCES

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Section 11.0

PROCEDURE

Editing User Function 31

1. From the Main Menu, type **U** and press **RETURN**.
 - The User Function Menu is displayed.
2. Type **EXA,31** and press **RETURN**.
 - User Function **31** is displayed.

1

MAIN MENU	
COMMAND: <u>U</u>	
FEEDBACK:	
Enter command and press return. For assistance, press the HELP button (F5).	
(C)ONTROL	
(S)TATUS	
(D)ISPLAY	
(R)OUTINE PRODUCT SET	
(G)EN AND DISTRIBUTE PRODUCTS	
(T)IME LAPSE	
(A)RCHIVE	
<u>(U)SER FUNCTION</u>	
(AD)APTATION DATA	
(M)ONITOR PERFORMANCE	
(H)ELP	
UNACKNOWLEDGED ALERTS	ALPHA PRODUCT QUEUE INDICATOR
ACKNOWLEDGED ALERTS	RPG PRODUCT REQUEST STATUS
SYSTEM STATUS	

2

USER FUNCTION MENU	
COMMAND: <u>U,EXA,31</u>	
FEEDBACK:	
Enter command.	
(E)XECUTE, <UF#>, <rpq>	
(C)ANCEL EXECUTION	
(D)EFINE, <UF#>, <title>	
(E)ND DEFINE AND EXAMINE *,	(E)ND UF
	<UF#>, [User function # to receive control]
(W)AIT, <SECONDS>	
<u>(EXA)MINE,</u>	(T)ITLES
<u><UF#> * [Examine and edit]</u>	
<p>*Note: Edit commands are available when the User Function Examine screen is displayed.</p>	

3. Type **I,2** and press **RETURN**.
 - The Feedback line reads, "**Select New Command or Function to Insert After 2.**"
4. Type **W,360** and press **RETURN**.
 - This command invokes a wait of 360 seconds (6 minutes) to the User Function.
5. Type **R,31** and press **RETURN**.
 - This (R)eplaces the (E)nd command with a command to recall User Function 31. This command in essence, chains User Function 31 to itself in an endless loop.
6. Your User Function, with the latest edits, should look like this.
 - This User Function dials out to another WSR-88D and requests a Base Reflectivity and a Base Velocity product. The User Function then waits six minutes and requests these products again. This is an excellent method of receiving products from another radar without having to manually restart this User Function each time you want to make a request.

3

EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5

COMMAND: U,I,2

FEEDBACK:

EDIT CMDS: [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION']
 (DEL)ETE,<LINE#> (R)EPLACE END, [(E)ND OR <UF#>]
(I)NSERT,<LINE#> (REN)AME UF TITLE,<NEW TITLE>

1.	D,G,R	0.5	*	*	L
2.	D,G,V	0.5	*	*	L
3.	U,EN,E				

4

EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5

COMMAND: U,W,360

FEEDBACK:

EDIT CMDS: [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION']
 (DEL)ETE,<LINE#> (R)EPLACE END, [(E)ND OR <UF#>]
 (I)NSERT,<LINE#> (REN)AME UF TITLE,<NEW TITLE>

1.	D,G,R	0.5	*	*	L
2.	D,G,V	0.5	*	*	L
3.	U,EN,E				

5

EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5

COMMAND: U,R,31

FEEDBACK:

EDIT CMDS: [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION']
 (DEL)ETE,<LINE#> (R)EPLACE END, [(E)ND OR <UF#>]
 (I)NSERT,<LINE#> (REN)AME UF TITLE,<NEW TITLE>

1.	D,G,R	0.5	*	*	L
2.	D,G,V	0.5	*	*	L
3.	U,W,360				
4.	U,EN,E				

6

EXAMINE/EDIT USER FUNCTION 31: RPG_REQ_REF_VEL_0.5

COMMAND: U,

FEEDBACK: UF31 DEFINITION COMPLETE

EDIT CMDS: [EACH EDIT CMD MUST BE PRECEDED BY '(U)SER FUNCTION']
 (DEL)ETE,<LINE#> (R)EPLACE END, [(E)ND OR <UF#>]
 (I)NSERT,<LINE#> (REN)AME UF TITLE,<NEW TITLE>

1.	D,G,R	0.5	*	*	L
2.	D,G,V	0.5	*	*	L
3.	U,W,360				
4.	U,EN,31				

Executing Two User Functions at the same time

7. At the Main Menu of the Applications Terminal, type **U** and press **RETURN**.
 - The User Function Menu displays.
8. Type **E,31.<rpg>** and press **RETURN**.
 - **Ask your instructor which WSR-88D you are allowed to dial-in to.**
 - Notice that as soon as the User Function is invoked, "**UF31**" displays in the upper left corner of the Applications Terminal. This tells you that User Function 31 is running.
 - Note that this User Function has been modified, from JS2-4-35, to continually run. Every six minutes the User Function dials out to the RPG selected and requests a Base Reflectivity and a Base Velocity product. This is a quick and easy method of dialing into another site for products.
 - Remember that the dial out queue can only hold up to 40 products. If the number of requests exceed the queue limit of 40 you will get a message "REQUEST VOID" on the feedback line and the rest of the requests are thrown away.

7

MAIN MENU	
COMMAND: <u>U</u>	
FEEDBACK:	
Enter command and press return. For assistance, press the HELP button (F5).	
(C)ONTROL (S)TATUS (D)ISPLAY (R)OUTINE PRODUCT SET (G)EN AND DISTRIBUTE PRODUCTS (T)IME LAPSE (A)RCHIVE <u>(U)SER FUNCTION</u> (AD)APTATION DATA (M)ONITOR PERFORMANCE (H)ELP	
UNACKNOWLEDGED ALERTS ACKNOWLEDGED ALERTS SYSTEM STATUS	ALPHA PRODUCT QUEUE INDICATOR RPG PRODUCT REQUEST STATUS

8

USER FUNCTION MENU	
COMMAND: U, <u>E,31,KRPG</u>	
FEEDBACK:	
Enter command.	
<u>(E)XECUTE, <UF#>, <rpg></u>	
(C)ANCEL EXECUTION	
(D)EFINE, <UF#>, <title>	
(E)ND DEFINE AND EXAMINE *	(E)ND UF
	<UF#>, [User function # to receive control]
(W)AIT, <SECONDS>	
(EXA)MINE,	(T)ITLES
	<UF#> * [Examine and edit]
*Note: Edit commands are available when the User Function Examine screen is displayed.	

9. At the Graphic Tablet select UF4 (either button).
 - User Function 4 is executed. Note that "UF4" displays in the upper left corner, next to UF31. Both User Functions are now running.
10. At the Graphic Tablet select CANCEL UF.
 - This command cancels the execution of all User Functions currently running.
 - Notice the feedback line indicates that the User Functions are canceled. Note that the upper left corner of the Applications Terminal is not displaying any active User Functions.
 - Any time you cancel a User Function, either by selecting Cancel UF at the Graphics Tablet or typing U,C at the Applications Terminal, all currently running User Functions are canceled.

ADDITIONAL INFORMATION

The PUP will queue up to 40 product requests to multiple RPGs. When the PUP is finished with all queued requests for the first RPG and the line disconnects, the PUP will automatically dial the next RPG. Earlier software problems where operators were forced to add extra "wait" commands in User Functions to avoid getting an error message have been corrected.

END

[illegible]